

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	189	((XML near quer\$3) and XQuer\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 10:17
S2	79	S1 and @ad<"20031119"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 10:19
S3	62	S2 and (express\$3 and (output\$2 or input\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 11:33
S4	10	S3 and (data near stream\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 12:10
S5	4	("20030070144" "5987455").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 12:10
S6	15	("4947320" "5133068" "5301317" "5495604" "5546576" "5717919" "5721904" "5737734" "5761493" "5873075").PN. OR ("5987455").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 15:57
S9	314	((XML\$1 with quer\$3) and (express\$4 same input\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:27
S10	195	S9 and @ad<"20031119"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 11:41

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S11	189	S10 and (transform\$4 or rewr4 or modif\$4 or chang\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:29
S12	48	S10 and concat\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 11:43
S13	10	S10 and (concat\$7 and XQuer\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 14:15
S23	9	(US-20040267760-\$ or US-20050004892-\$ or US-20040260691-\$ or US-20040153435-\$ or US-20040148278-\$ or US-20040083209-\$ or US-20040103105-\$ or US-20040060006-\$).did. or (US-7031956-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/05/26 14:27
S24	1	S23 and (transform\$4 or rewr4)	USPAT	OR	OFF	2006/05/26 14:30
S25	6	S23 and (transform\$5 or rewr3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/26 15:55
S26	1	10/717870	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/26 15:55
S27	190	((XML near quer\$3) and XQuer\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:02
S28	79	S27 and @ad<"20031119"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:29

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S29	62	S28 and (express\$3 and (output\$2 or input\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:02
S30	1588	((XML\$4 with quer\$3) and (input\$4 and output\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:28
S31	1533	S30 and (transform\$4 or rewrit\$4 or modif\$4 or chang\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:29
S32	1002	S31 and @ad<"20031119"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:30
S33	690	S32 and (sequen\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:36
S34	32	S33 and ((quer\$4 same rewrit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 18:36
S35	1	(US-20050004892-\$).did.	US-PGPUB	OR	OFF	2006/05/29 21:00
S37	1	S35 and ((XML with quer\$4) same input\$1)	US-PGPUB; USPAT	OR	OFF	2006/05/29 21:27
S42	1	(US-20040267760-\$).did.	US-PGPUB	OR	OFF	2006/05/29 21:42
S43	1	S42 and (concaten\$7 same sequen\$5)	US-PGPUB; USPAT	OR	OFF	2006/05/29 21:43


Terms used **XML query**

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1 [Supporting complex queries on multiversion XML documents](#)



Shu-Yao Chien, Vassilis J. Tsotras, Carlo Zaniolo, Donghui Zhang

February 2006 **ACM Transactions on Internet Technology (TOIT)**, Volume 6 Issue 1

Publisher: ACM Press

Full text available: [pdf\(494.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Managing multiple versions of XML documents represents a critical requirement for many applications. Recently, there has been much work on supporting complex queries on XML data (e.g., regular path expressions, structural projections, etc.). In this article, we examine the problem of implementing efficiently such complex queries on multiversion XML documents. Our approach relies on a numbering scheme, whereby durable node numbers (DNNs) are used to preserve the order among the nodes of the XML t ...

Keywords: XML document, multiversion, query support, version retrieval

2 [Research sessions: XML I: Storing and querying ordered XML using a relational database system](#)



Igor Tatarinov, Stratis D. Viglas, Kevin Beyer, Jayavel Shanmugasundaram, Eugene Shekita, Chun Zhang

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data SIGMOD '02**

Publisher: ACM Press

Full text available: [pdf\(1.38 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

XML is quickly becoming the *de facto* standard for data exchange over the Internet. This is creating a new set of data management requirements involving XML, such as the need to store and query XML documents. Researchers have proposed using relational database systems to satisfy these requirements by devising ways to "shred" XML documents into relations, and translate XML queries into SQL queries over these relations. However, a key issue with such an approach, which has largely been ignor ...

3 [Research sessions: XML I: QURSED: querying and reporting semistructured data](#)



Yannis Papakonstantinou, Michalis Petropoulos, Vasilis Vassalos

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data SIGMOD '02**

Publisher: ACM Press

Full text available: [pdf\(1.54 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

QURSED enables the development of web-based query forms and reports (QFRs) that query and report semistructured XML data, i.e., data that are characterized by nesting, irregularities and structural variance. The query aspects of a QFR are captured by its query set specification, which formally encodes multiple parameterized condition

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The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

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[A Query Language for XML - group of 22 »](#)

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A Deutsch, M Fernandez, D Florescu, A Levy, D ... - WWW8 / Computer Networks, 1999 - osiris.cs.kun.nl

... the **XML** syntax with traditional **query**-language syntax. ... propose a novel semantics for **XML-QL** to ... powerful data-construction mechanisms, nested **queries** and Skolem ...

Cited by 364 - [View as HTML](#) - [Web Search](#)

[\[PS\] XML-QL: A Query Language for XML](#)

A Deutsch, M Fernandez, D Florescu, A Levy, D ... - 8th. WWW Conference. W3C, 1999 - mpi-sb.mpg.de

... In this note, we propose a **query** language for **XML** data, called **XML-QL**, to address some of the above questions. **XML-QL** can express **queries**, which extract pieces ...

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[From Semistructured Data to XML: Migrating the Lore Data Model and Query Language - group of 15 »](#)

R Goldman, J McHugh, J Widom - Proceedings of the 2nd International Workshop on the Web and ..., 1999 - www-db.stanford.edu

... Using **queries** to restructure **XML** data may be more common than it was in OEM, so we have introduced two new **query** language constructs to transform data and ...

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[Quilt: An XML Query Language for Heterogeneous Data Sources - group of 21 »](#)

D Chamberlin, J Robie, D Florescu - Selected papers from the Third International Workshop WebDB, 2000 - Springer

... a small, implementable language that meets the requirements identified by the W3C

XML Query Working Group[3]. We want a language in which **queries** are concise ...

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[Query optimization for XML - group of 31 »](#)

J McHugh, J Widom - Proceedings of the 25th International Conference on Very ..., 1999 - csd.uch.gr

... this additional factor that makes optimization of **queries** over **XML** data both important and difficult. The most straightforward approach to executing **Query** 1 is ...

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[Comparative analysis of five XML query languages - group of 12 »](#)

A Bonifati, S Ceri - ACM SIGMOD Record, 2000 - portal.acm.org

... Select expressions, from expressions, and where ex-pressions, as in OQL, can in turn contain **queries**. A simplified syntax for defining a **query** in **XML-QL** is: ...

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[XML-based information mediation with MIX - group of 8 »](#)

C Baru, A Gupta, B Ludäscher, R Marciano, Y ... - Proceedings of the 1999 ACM SIGMOD international conference ..., 1999 - portal.acm.org

... list construct. BBQ automatically generates **XML queries** from the graphical

query specification given by the user. The system solely ...

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[NiagaraCQ: a scalable continuous query system for Internet databases - group of 26 »](#)

J Chen, DJ DeWitt, F Tian, Y Wang - ACM SIGMOD Record, 2000 - portal.acm.org

... part of this effort, our goal is to allow a very large number of users to be able to register continuous **queries** in a high-level **query** language such as **XML-QL**. ...